

General Information

Geology- See file information

FEMA Map Flood Plain-

Census Information- see file information

Water Supply- The water supply to this area is primarily served by surface water intakes on Lake Michigan.

- 1) Gary Hobart Water Corporation- 2 intakes
 1. Borman Park
 2. Ogden Dunes(see attached phone log for details)3
- 2) City of Hammond has an intake in Lake Michigan and serves all customers in city limits.
Hammond sells water to Munster, Highland and Lansing Village
Serves 105,900 people1
- 3) East Chicago- no wells used for drinking purposes. All served off of surface water intake.5
- 4) Whiting- does not have any municipal or private wells.5

Groundwater- Some residences and industries in area use groundwater
See attached report for locations of GW users.1

Points of Entry- Drainage Ditch see below.2

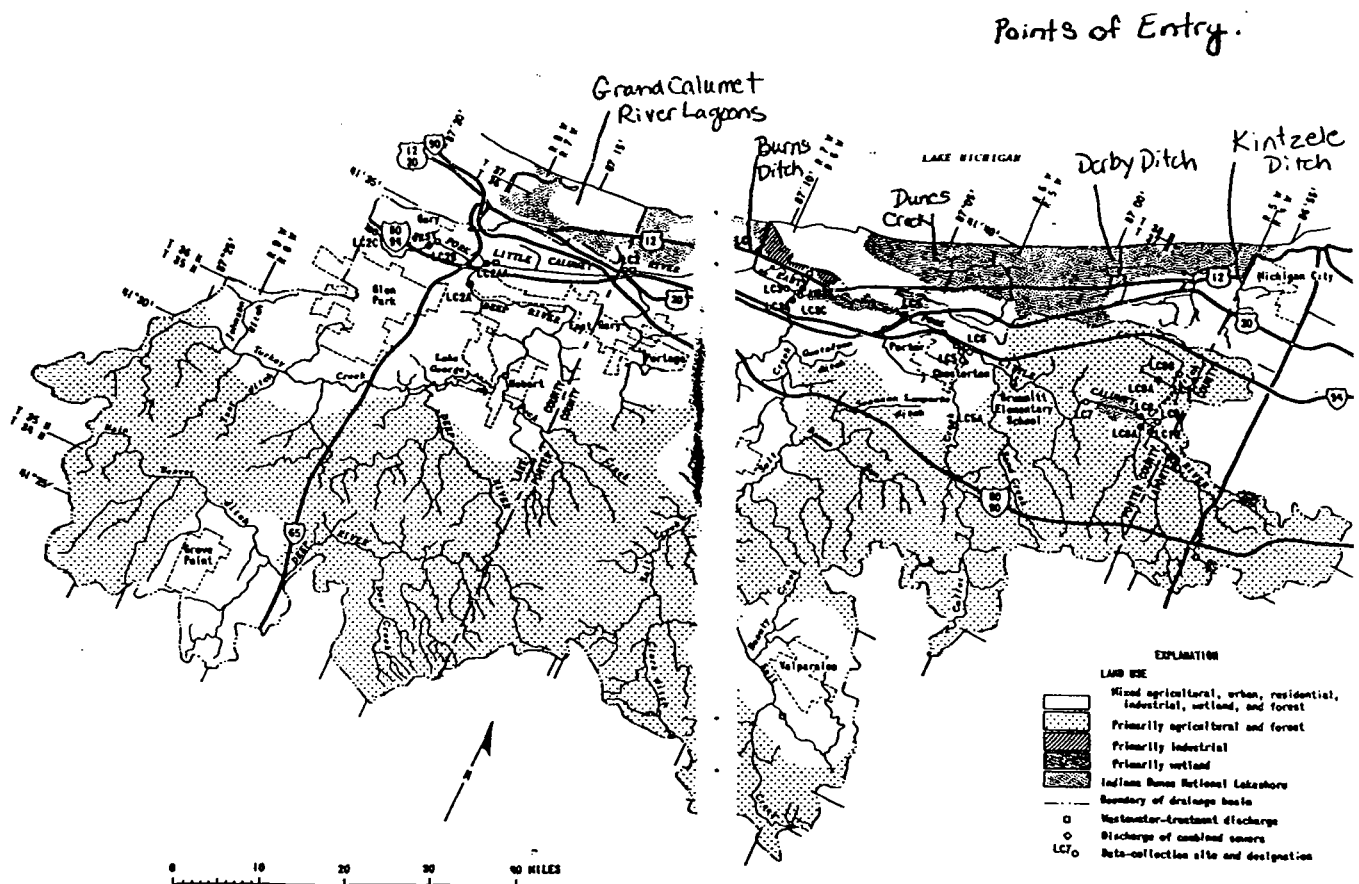


Figure 3.-- Data-collection sites and land uses in the Little Calumet River drainage basin.

Grand Calumet River discharges into Lake Michigan by way of Indiana Harbor Canal.

The East arm of the Little Calumet River, Deep River, and all of the West arm of the Little Calumet River east of Griffith, discharge into Lake Michigan through the Burns Waterway.

Burns Ditch is the Western Arm of the Little Calumet River.¹

Primary Sensitive Environments see below²

Table 1.—Land use within drainage basins at the Indiana Dunes National Lakeshore

| Drainage basin | Area (mi ²) | Land use (percentage of total area) | | | | | |
|-----------------------------|-------------------------|--|----------|------------------------|--------------------|-------------|-------------------------|
| | | Public parks ¹ | Wet-land | Agriculture and forest | Urban ² | Residential | Industrial ³ |
| Grand Calumet River lagoons | 1.35 | 9 | 1 | 45 | 9 | 29 | 7 |
| Little Calumet River | 331 | 2 | 1 | 75 | 8 | 11 | 3 |
| Kintzele ditch | 12.7 | 12 | 4 | 54 | 8 | 19 | 3 |
| Derby ditch | 4.64 | 50 | 7 | 33 | 2 | 6 | 2 |
| Dunes Creek | 7.37 | 56 | 10 | 19 | 4 | 8 | 3 |

¹Public parks generally include wetlands and forest.

²Urban land use includes cities, towns, streets, and rail right of ways.

³Industrial land use includes landfills.

Primary Sensitive Environments cont.

Wetlands surround Cedar Lake, Lake George near Whiting, Lake George near Hobart, and Wolf Lake.¹

55% of Dunes Creek and Derby Ditch are used for park and wetlands.²

Precipitation

Mean annual precipitation across Lakeshore ranges from 36 inches in the West to greater than 40 inches in the east. Maximum and minimum monthly precipitations are generally in April and February, respectively.²

Endangered Species

Pitchers Thistly-located in Lakeshore Dunes and Blowout areas, Lake and Porter counties.⁴

Fishing

The West Arms of the Little Calumet and Grand Calumet Rivers offer poor aquatic habitat due to heavy input from industrial and domestic pollution sources. Only rough fish populations exist—carp and white suckers.¹

Although the main use of the Grand Calumet River is industrial, people have been seen fishing along the river banks. (see attached phone log.)

Indiana Dunes State Park and National Lakeshore have fishing on the beach and pier. Also have boat fishing along Lake Michigan.1

Lake Michigan- Commercial Fisheries as well as recreational fishing
-coho and chinook salmon
-steelhead
-brown trout
-yellow perch1

Recreation

Boating occurs on Little Calumet River.1

Swimming occurs at all Lake Michigan municipal beaches, including Indiana Dunes State Park.1

Closing of Recreation Areas-

Dunes State Park has not shut down in the last two years due to chemical contamination. A portion (100-200ft. section), of the beach 12 miles east of Gary did close due to a high fecal count from Dune Creek emptying into Lake Michigan. This portion of the beach has shut down several times in the last two years. (see attached phone log for reference.)

References

Clark, Douglas, and D. Larrison, editors. Governor's Water Resource Study Commission, State of Indiana, The Indiana Water Resource, Availability, Uses, and Needs, 1980.

Hardy, Mark A., 1984. Chemical and Biological Quality of Streams at the Indiana Dunes National Lakeshore, Indiana, 1978-1980, Water-Resources Investigations 83-4208. U.S. Geological Survey, Indianapolis, Indiana.

Buczek, Ken. May 13, 1991. Vice President of Production and Engineering, Gary Hobart Water Corporation, telephone Conversation, contacted by Jennelle Marcereau of E & E.

U.S. Department of the Interior, November 6, 1987. Fish and Wildlife Service, Endangered Species List for Region V, Twin Cities, Minnesota.

Midco II Report. (in file)



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CHICAGO, ILLINOIS

TELEPHONE LOG

| | | |
|---|---|---|
| CONTACT <u>Ken Buczyk</u> | COMPANY or AGENCY <u>Gary Hobart Water Corp.</u> | POSITION <u>Vice Pres. Production & Eng.</u> |
| CONTACT ADDRESS | | CONTACT PHONE NUMBER <u>319-886-3770</u> ext. <u>258</u> |
| E&E EMPLOYEE <u>Jennelle Marcereau</u> | DATE <u>5-13-91</u> | TIME <u>2:30 pm</u> |
| PROJECT NUMBER | SITE NAME AND LOCATION <u>Gary PA Driveways.</u> | |

DISCUSSION

Gary Hobart Water Corp. has 2 intakes on Lake Michigan:

STMGD ① Borman Park - 3 miles north of filtration plant - ~ 1 mile offshore in 40 ft of water.

STMGD ② Ogden Dunes - 1/2 mile due north of filtration plant ~ 1/2 mile offshore in 20 ft of water.

Together they serve 188,000 people. They are combined into a common distribution system. These two intakes directly serve: Gary, Portage, Hobart, and Merriville.

Schererville 8m 5-11-91
- Sell water wholesale to Schererville, Griffith, Ogden Dunes, New Chicago and City of Lake Station.
- Two small utilities these 2 intakes serve are Lincoln Gardens and Turkey Creek Utilities.

SIGNATURE

Jennelle Marcereau

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TELEPHONE LOG

REFERENCE

CONTACT.

Richard Bakes

COMPANY or AGENCY

Lake Co Health Dept

POSITION

Microbiologist

CONTACT ADDRESS

Crown Point, IN

CONTACT PHONE NUMBER

(219) 755-3655

E&E EMPLOYEE

Jim Brodbeck

DATE

05/15/91

TIME

8:50

PROJECT NUMBER

SITE NAME and LOCATION

Indiana PA's

DISCUSSION

Gary has about 100 wells used for drinking water wells for residences. Private residential wells are non-existent in East Chicago and Whiting. Communities further south of Gary rely predominantly on groundwater for drinking water purposes.

SIGNATURE

Jim Brodbeck

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DATE April 2, 1985

TDD # BD5 8307-04B

TIME 3:20 p.m.

SITE Vulcan Materials 459 N. Cline, Gary Indiana

CONTACT Jerome Tifer

PHONE (219) 944-6527

City Engineer for
Gary Board of Works.

REFERENCE 17

SITE NAME Site #63

SITE ID IND980679138

SUBJECT Surface Water Use

Although the main use of the Grand
Calumet River is for industrial purposes,
there have been reports of people
fishing from the river shores.

Ruth Ann Jaquette
Date April 2, 1985



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TELEPHONE LOG

| | | |
|--------------------------------------|--|------------------------|
| CONTACT. <i>Doug Wickenshaw</i> | COMPANY or AGENCY <i>Dunes State Park</i> | POSITION |
| CONTACT ADDRESS | | CONTACT PHONE NUMBER |
| E&E EMPLOYEE <i>Jim Broderick</i> | DATE <i>05/14/91</i> | TIME <i>10:00am</i> |
| PROJECT NUMBER | SITE NAME and LOCATION | |

DISCUSSION

According to Doug the Dunes State Park has not shut down in the last two years due to chemical contamination. A portion (100-200ft section) of the beach about 12 miles east of Gary due to a high fecal count from Dunes Creek emptying into Lake Michigan through this portion of the beach has been shut down several times during the last two years

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